

## ABSTRACT

The present invention relates to a cucumber mosaic virus (CMV) resistance-associated molecular marker and the use thereof, and more particularly to a nucleic acid consisting of nucleotide sequence having a very high association with the CMV-resistant character of plants, a primer comprising a partial nucleotide sequence of the nucleic acid, and a method for detecting CMV-resistant plants using the nucleic acid or the primer. The inventive molecular marker has advantages in that it can detect CMV-resistant plants in a rapid and precise manner without inoculating CMV directly into plants, and also can determine the genotype of CMV-resistant plants.